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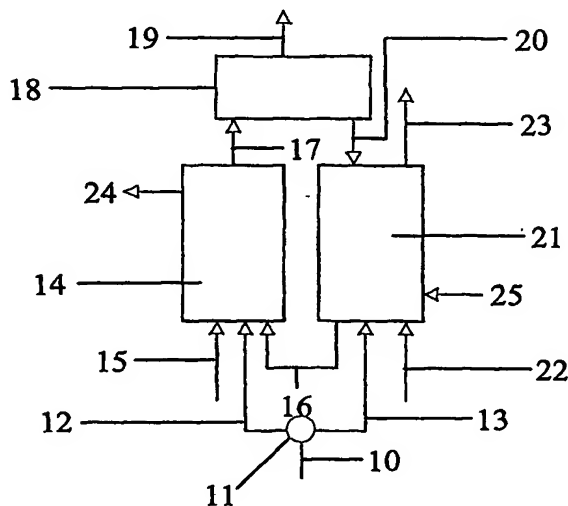
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(54) Title: IN-SITU CAPTURE OF CARBON DIOXIDE AND SULPHUR DIOXIDE IN A FLUIDIZED BED COMBUSTOR



(57) Abstract: Both a process and an apparatus whereby a fuel with both a high carbon content, a relatively high sulphur content and a relatively low ash content, can be combusted without the release of potentially damaging amounts of carbon dioxide and sulphur dioxide are described. Further, the process and apparatus each provide a means whereby the carbon dioxide and sulphur dioxide emissions from the combustion of a carbonaceous fuel with both a high carbon content and a relatively high sulphur content can each be recovered as a useable product. Typically the fuel is petroleum coke, or certain grades of anthracite, coal and natural gas.